

MATERIAL SAFETY DATA SHEET

Approved by U.S. Department of Labor (Essentially similar to form OSHA 20)

FOR ADHESIVES AND SEALANTS

ISSUE DATE: 10/85

List

SECTION I IDENTIFICATION OF PRODUCT			
Manufacturer's Name Rexnord Inc., Chemical Products Division		Emergency Telephone No Rexnord: (303) 289-5651 CHEMTREC: 800-424-9300	
Address 6120 E. 58th Ave., Commerce City, Colo. 80022		Product Class One-part Adhesive Blend	
Trade Name and Synonyms SONNEBORN 400 ADHESIVE			
SECTION II HAZARDOUS INGREDIENTS			
Ingredient	% by Wt.	Toxicity Data	Threshold Limit Value (Source)
Toluene	10	Dermal LD ₅₀ (rbt) = 12.1 g/kg Oral LD ₅₀ (rat) = 5.0 g/kg	100ppm (ACGIH)
		Inh LC ₅₀ (mouse) = 5320 ppm/8hrs	200ppm (OSHA)
Hexane	20	Oral LD ₅₀ (rat) = 28.7 g/kg	50ppm (ACGIH)
			500ppm (OSHA)
Acetone	5	Oral LD ₅₀ (rat) = 9.8 g/kg	750ppm (ACGIH)
		Dermal LD ₅₀ (rbt) = 20 g/kg	1000ppm (OSHA)
Asbestos (in suspension)*	10	*Permissible exposure to airborne concentration of free asbestos covered under current OSHA standard	
		29CFR 1910.1001.	
Resin Blend	30	No Data Available	
Inert Fillers	25	Nuisance Particulates	Total Dust 10mg/m ³ (ACGIH)
			Respirable Dust 5mg/m ³ (ACGIH)
SECTION III PHYSICAL DATA			
Appearance and Odor			
Boiling Point (Degrees Fahrenheit) 130-150°		Specific Gravity (Water = 1) >1	
Vapor Pressure (mm. of Mercury) >10 @ 77°F		Percent Volatile (By Volume) 20-30	
Vapor Density (Air = 1) >1		Evaporation Rate (Butyl Acetate = 1) >1	
Solubility in Water negligible			

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used)	Flammability Classification (OSHA)	Flammable Limits (Percent by Volume)	Lower	Upper
-25°F (TCC)	Class I Flammable		-1.1	6.7

Fire - Extinguishing Media: Foam, CO₂, Dry Chemical

Special Firefighting Procedures: Wear self-contained breathing apparatus and clean, protective clothing. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of fire.

Unusual Fire and Explosion Hazards: Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion. Closed containers may rupture or explode (due to pressure build up) when exposed to extreme heat.

SECTION V HEALTH HAZARD DATA

Threshold Limit Value: None suggested - Recommend that vapor levels be controlled to below lowest component TLV.

Effects of overexposure

Eyes - Mild to moderate irritant. No permanent corneal injury likely.

Skin - Mild to moderate irritant. Repeated or prolonged exposure may cause allergic dermal responses

Inhalation - Respiratory irritant and intoxicant. Overexposure may cause dizziness and narcosis

Ingestion - May be harmful if swallowed. May cause irritation of digestive tract.

Emergency and First Aid Procedures

Eyes - Flush with water at least 15 min. Obtain medical attention immediately.

Skin - Remove contaminated clothing. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation - Remove victim to fresh air. Administer artificial respiration if not breathing. Obtain medical attention.

Ingestion - Do not induce vomiting. If patient is conscious and not drowsy, give water or milk to dilute. Obtain medical attention

Additional Health Data

SECTION VI REACTIVITY DATA

Stability		Conditions To Avoid	Open flames. Elevated temperatures
Unstable	Stable		
	X		
Incompatibility (materials to avoid)		Strong bases or oxidants Strong acids and amines	
Hazardous Decomposition Products		Carbon dioxide, carbon monoxide Aldehydes and acids from incomplete combustion	
Hazardous Polymerization		Conditions To Avoid	
May Occur	Will not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled	Ventilate area. Wear appropriate protective equipment during cleanup. Shut off source of leak if safe to do so. Eliminate sources of ignition. Dike or contain spill. Absorb with inert material. Sweep or shovel into containers with lids. Cover loosely and store in a well-ventilated area until disposal. Wash area with soap and water.
Waste Disposal Method	Review all local, state and federal regulations concerning health and pollution for disposal procedures.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (specify type)	<p>If the TLV is exceeded, if use is performed in a poorly ventilated confined space or area with limited ventilation, or if the material is heated, use NIOSH-approved respirator in accordance with OSHA regulation 29 CFR 1910.134.</p> <p>Use self-contained breathing apparatus if material is to be sprayed or when burning out cured epoxy.</p> <p>Use NIOSH-approved respirator for dusts and mists when grinding or machining cured compound.</p>		
Ventilation	Local Exhaust	Recommended to control vapor levels to below recommended TLV.	
	Other	As needed to control vapor levels to below recommended TLV.	
Protective Gloves	Impervious Rubber	Eye Protection	Safety Goggles
Other Protective Equipment	Clean, protective clothing. Accessible eye wash and safety shower		

SECTION IX SPECIAL PRECAUTIONS

Precautionary Labeling	<p>DO NOT take internally.</p> <p>Avoid contact with eyes, skin and clothing.</p> <p>Avoid breathing vapor or mist.</p> <p>For industrial use only.</p>
Other Handling and Storage Conditions	<p>WASH THOROUGHLY after handling</p> <p>Tightly reseal all partially used containers.</p>

Other Information

D.O.T. Flammable Material

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